

WHAT IS CLAIMED IS:

1. Cross clamping device with a base plate (1), which has a first and a second leg (12, 13) and a clamping piece (11) which connects the two legs (12, 13) with each other, a
5 first clamp (2, 102; 202; 302), which by means of a first screw (4; 104; 204; 304) is screwed onto the first leg (12), and a second clamp (3; 103; 203; 303), which by means of a second screw (5; 105; 205; 305) is screwed onto the second leg (13), wherein the base plate (1) and the two clamps (2,
10 3; 102, 103; 202, 203; 302, 303) are so formed that between the first and the second clamp (2, 3; 102, 103; 202, 203; 302, 303) a first bar (8; 108), and between the two clamps (2, 3; 102, 103; 202, 203; 302, 303) and the clamping piece (11) of the base plate (1) a second bar (9), which is rotated
15 by 90° in relation to the first bar (8; 108), are able to be clamped, wherein the first and the second screw (4, 5; 104, 105; 204, 205; 304, 305) each have a head (42), which is at least partially conical shaped, so that by tightening of the first and of the second screw (4, 5; 104, 105; 204, 205; 304,
20 305) the first and the second clamp (2, 3; 102, 103; 202, 203; 302, 303) are pressed by the slanting conical surface against the first bar (8; 108) and the two bars (8, 9; 108) are clamped.

2. Cross clamping device according to claim 1,
25 characterized in that at least one of the two clamps (302, 303) is additionally screwed onto the accompanying leg of the base plate by means of a further screw (306, 307).

3. Cross clamping device according to claim 1, characterized in that the screws (4, 5; 104, 105; 204, 205;

304, 305, 306, 307) each have a shaft (41) with a thread (411) and have a head (42), the first leg (12) of the base plate (1) has at least a first hole (121) with a thread (122), in which the first screw (4; 104; 204; 304) is
5 screwed, and the second leg (13) of the base plate (1) has at least a second hole (131) with a thread (132), in which the second screw (5; 105; 205; 305) is screwed.

4. Cross clamping device according to claim 3, characterized in that at least one of the two clamps (2, 3; 102, 103; 202, 203; 302, 303) has a through hole (21, 31),
10 whose diameter at least in the direction towards the first bar (8; 108) is greater than the diameter of the screw shaft (41).

5. Cross clamping device according to claim 4,
15 characterized in that the through hole or at least one of the through holes (21, 31) has an enlargement (211, 311; 1021, 1031; 2021, 2031; 3021, 3022, 3031, 3032) on the side opposite from the base plate (1), in which the head (42) of the accompanying screw (4, 5; 104, 105; 204, 205; 304, 305,
20 306, 307) is at least partially inserted.

6. Cross clamping device according to claim 5, characterized in that the enlargement (211, 311; 1021, 1031; 2021, 2031; 3021, 3022, 3031, 3032) at least on the side on the same side as the first bar (8; 108) is bordered by a
25 slanting surface of the clamp (2, 3; 102, 103; 202, 203; 302, 303), so that in the tightening of the screw (4, 5; 104, 105; 204, 205; 304, 305) the clamp (2, 3; 102, 103; 202, 203; 302, 303) is pressed against the first bar (8; 108) by the screw (4, 5; 104, 105; 204, 205; 304, 305) which is pressing on the

slanting surface.

7. Cross clamping device according to claim 1,
characterized in that the clamping piece (11) of the base
plate (1) is thinner than the two legs (12, 13) and/or the
5 clamps (2, 3; 102, 103; 202, 203; 302, 303) in the region of
the clamping piece (11) of the base plate (1) are thinner
than in the region of the legs (12, 13), so that between the
two clamps (2, 3; 102, 103; 202, 203; 302, 303) and the
clamping piece (11) of the base plate (1) a space is present,
10 in which the second bar (9) is able to be clamped, while the
clamps (2, 3; 102, 103; 202, 203; 302, 303) lie on the legs
(12, 13).

8. Cross clamping device according to claim 1,
characterized in that the two clamps (2, 3; 102, 103; 202,
15 203; 302, 303) each have at one of their ends a projection
(22, 32; 1022, 1032) which extends to the other clamp (2, 3;
102, 103; 202, 203; 302, 303) and that the two projections
(22, 32; 1022, 1032) touch each other.

9. Cross clamping device according to claim 1,
20 characterized in that the two clamps (2, 3; 102, 103; 202,
203; 302, 303) lie flat on the first bar (8; 108) and on the
second bar (9).